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NOTICE OF ALLOWANCE AND FEE(S) DUE

20999

7590

09/10/2008

FROMMER LAWRENCE & HAUG 745 FIFTH AVENUE- 10TH FL. NEW YORK, NY 10151 EXAMINER

LOEWE, ROBERT S

ART UNIT PAPER NUMBER

1796

DATE MAILED: 09/10/2008

APPLICATION NO. FILING DATE FIRST NAMED INVENTOR ATTORNEY DOCKET NO.		
		CONFIRMATION NO.

10/588,358 08/03/2006 Hee-Woo Rhee 930086-2036 8667

TITLE OF INVENTION: REACTIVE CYCLODEXTRIN DERIVATIVES AS PORE-FORMING TEMPLATES, AND LOW DIELECTRIC MATERIALS PREPARED BY USING THE SAME

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	YES	\$720	\$300	\$0	\$1020	12/10/2008

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE

Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

or <u>Fax</u> (571)-273-2885

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where n

appropriate. All further ndicated unless correcte naintenance fee notifica	correspondence including below or directed off tions	ng the Patent, advance on nerwise in Block 1, by (a	rders and notification of a) specifying a new con	of ma rresp	aintenance fees will ondence address; an	be m nd/or (ailed to the current of (b) indicating a separ	correspondence address as ate "FEE ADDRESS" for
		ock 1 for any change of address)	F	ee(s) aper) Transmittal This c	ertific aper, s	ate cannot be used for such as an assignmen	domestic mailings of the r any other accompanying t or formal drawing, must
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			-					(Signature)
			L					(Date)
	APPLICATION NO. FILING DATE F			OR	A'		NEY DOCKET NO.	CONFIRMATION NO.
10/588,358 TTLE OF INVENTION PREPARED BY USING		DEXTRIN DERIVATIVE	Hee-Woo Rhee	G T.	EMPLATES, AND		30086-2036 DIELECTRIC MAT	8667 ERIALS
APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DU	Æ	PREV. PAID ISSUE F.	EE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	YES	\$720	\$300		\$0		\$1020	12/10/2008
EXAM	INER	ART UNIT	CLASS-SUBCLASS					
LOEWE, R	ROBERT S	1796	528-027000					
. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363). Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached. "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer Number is required.								
PLEASE NOTE: Unl recordation as set fort (A) NAME OF ASSIG	less an assignee is ident h in 37 CFR 3.11. Comp GNEE		data will appear on the T a substitute for filing (B) RESIDENCE: (CI	e pat an as	ent. If an assignee ssignment. and STATE OR COU	UNTR	Y)	cument has been filed for
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a. The following fee(s) are submitted: Issue Fee Publication Fee (No small entity discount permitted) Advance Order - # of Copies			 4b. Payment of Fee(s): (Please first reapply any previously paid issue fee shown above) A check is enclosed. Payment by credit card. Form PTO-2038 is attached. The Director is hereby authorized to charge the required fee(s), any deficiency, or credit any overpayment, to Deposit Account Number (enclose an extra copy of this form). 					
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OTE: The Issue Fee an	d Publication Fee (if rea		d from anyone other tha					assignee or other party in
Authorized Signature					Date			
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APPLICATION NO.	FILING DATE	FILING DATE FIRST NAMED INVENTOR		CONFIRMATION NO.		
10/588,358	10/588,358 08/03/2006 Hee-Woo Rhee		930086-2036	8667		
20999 7	590 09/10/2008	EXAMINER				
FROMMER LAWRENCE & HAUG			LOEWE, ROBERT S			
745 FIFTH AVEN			ART UNIT	PAPER NUMBER		
NEW YORK, NY	10151	1796				
			DATE MAILED: 09/10/2008			

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 93 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 93 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 (571)-272-4200.

	Application No.	Applicant(s)	
	10/588,358	RHEE ET AL.	
Notice of Allowability	Examiner	Art Unit	
	ROBERT LOEWE	1796	
The MAILING DATE of this communication app All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85 NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT R of the Office or upon petition by the applicant. See 37 CFR 1.313 1. \(\infty\) This communication is responsive to \(\frac{7/18/08}{0.00}\).	S (OR REMAINS) CLOSED in) or other appropriate commu RIGHTS. This application is s	n this application. If not inclu unication will be mailed in du	ded e course. THIS
2. ☑ The allowed claim(s) is/are <u>1-13</u> .			
3. Acknowledgment is made of a claim for foreign priority u a) All b) Some* c) None of the: 1. Certified copies of the priority documents have 2. Certified copies of the priority documents have 3. Copies of the certified copies of the priority do International Bureau (PCT Rule 17.2(a)). * Certified copies not received: Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONN THIS THREE-MONTH PERIOD IS NOT EXTENDABLE. 4. A SUBSTITUTE OATH OR DECLARATION must be subm INFORMAL PATENT APPLICATION (PTO-152) which giv 5. CORRECTED DRAWINGS (as "replacement sheets") mu (a) including changes required by the Notice of Draftspers	e been received. e been received in Application occuments have been received of this communication to file MENT of this application. Initted. Note the attached EXA res reason(s) why the oath or st be submitted. son's Patent Drawing Review	n No d in this national stage application are reply complying with the read a management of the complying with the read and the complex complex to the complex of the complex to the complex of the compl	equirements
1) hereto or 2) to Paper No./Mail Date (b) including changes required by the attached Examiner Paper No./Mail Date Identifying indicia such as the application number (see 37 CFR 1 each sheet. Replacement sheet(s) should be labeled as such in the paper No./Mail Date	's Amendment / Comment or 1.84(c)) should be written on the the header according to 37 CF	ne drawings in the front (not tl R 1.121(d).	·
 DEPOSIT OF and/or INFORMATION about the depo- attached Examiner's comment regarding REQUIREMENT attached Examiner's comment regarding REQUIREMENT Attachment(s)			. Note the
1. ☐ Notice of References Cited (PTO-892)	5. Notice of Int	formal Patent Application	
2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)		ummary (PTO-413), Mail Date	
3. Information Disclosure Statements (PTO/SB/08),		Amendment/Comment	
Paper No./Mail Date 4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material	8. ⊠ Examiner's 9. □ Other	Statement of Reasons for Al	llowance

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Mr. Howard Lee on 8/26/08.

Please amend the application as follows:

Claim 6:

Please change the first three words of claim 6 from "An ultralow dielectric" to --A dielectric--.

Claim 7:

Please change the first three words of claim 7 from "An ultralow dielectric" to --A dielectric--.

Claim 8:

Please change the first three words of claim 8 from "An ultralow dielectric" to --A dielectric--.

Claim 9:

Please change the first three words of claim 9 from "An ultralow dielectric" to --A dielectric--.

Claim 10:

Art Unit: 1796

Please change the first three words of claim 10 from "An ultralow dielectric" to --A dielectric--.

Claim 11:

Please change the first three words of claim 11 from "An ultralow dielectric" to --A dielectric--.

Claim 12:

Please change the first three words of claim 12 from "An ultralow dielectric" to --A dielectric--.

Claim 13:

Please change the first three words of claim 13 from "An ultralow dielectric" to --A dielectric--.

Reasons for Allowance

The following is an examiner's statement of reasons for allowance: The previously relied upon prior art rejection of claims 1-13 to Yim et al. in view of Lambert et al. have been overcome by Applicant's arguments. Specifically, Applicants argue that Yim et al. does not teach or suggest the claimed compounds. While Yim et al. does teach cyclodextrins which may have -OSi(OR)₃ groups attached thereto, Yim et al. does not teach cyclodextrins which have -O(CH₂)₃Si(OR)₃. The difference between Yim et al. and the instant claims is the presence of the propyl spacer. Lambert was relied upon to teach this structural unit. However, as pointed out by Applicants, the structures taught by Lambert deviate from the instant claims significantly and as

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such, renders the combination of Yim et al. and Lambert et al. to be improper. The Examiner is persuaded by these arguments. Yim et al. is believed to be the closest prior art.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Correspondence

Any inquiry concerning this communication or earlier communications from the examiner should be directed to ROBERT LOEWE whose telephone number is (571)270-3298. The examiner can normally be reached on Monday through Friday from 5:30 AM to 3:00 PM EST.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Randy Gulakowski can be reached on (571) 272-1302. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated

information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/R. L./ Examiner, Art Unit 1796 26-Aug-08

/Randy Gulakowski/ Supervisory Patent Examiner, Art Unit 1796